

Production Engineer

(100% Employment)

[Qnami](#) develops fundamental new technology using quantum mechanics. The control and measurement of the state of a single electron enables us to measure what could never be measured before. We call this quantum sensing and are enthusiastically developing this technique to improve people's lives and the world.

Qnami is a magnet for talents looking to join the quantum revolution at the pulse. Young, multicultural, open, and skilled, we have a deep passion for our work. We are both business and scientific minded. Each of us offers their top unique skills plus an intense work ethic and enthusiastic spirit – because we believe in what we do. We value diversity and have created a flexible open team culture of mutual respect that supports employees' development and enables us to live a healthy, well-balanced life.

We develop and commercialize applications of [NV Quantum Sensors](#) (Nitrogen Vacancy), leveraging proprietary technology and unique know-how. Our first commercial product, the Qnami [ProteusQ](#) is a complete quantum microscope system. It is the first NV microscope for analysis of magnetic materials at atomic scale and features state-of-the-art electronics and software. The flexible design allows for future adjustments and scaling, expansion, and functionality additions.

To support our upscaling of quantum sensors and quantum microscopes, we are seeking for a

Production Engineer

As the Production & Test Engineer, you will play a critical role in quality control, assembling and manufacturing our existing products.

In this position, your responsibilities will include

- Assembling our quantum diamond sensors and quantum microscopes and Performing Quality control of them to ensure they meet the required standards.
- Handling, assembly and testing electrical/mechanical/optical devices at both part and assembly levels.
- Contributing to on-site instrument installation of the quantum microscope instrument and user training at customers' sites world-wide.
- Managing the logistics, procurement and shipping of our products to the end customers
- Managing the production facility, including the required tools and labs.
- Collaboration on Industrialization development (SOPs, FATs, Software...).

Based on these responsibilities we are looking for a passionate production engineer with **strong hands-on spirits** and **good technical communication capabilities**. Your required qualifications include

- Demonstrated experience in physics, optical engineering, mechanical/electrical engineering, materials science, mechatronics, microsystems or similar would be a plus.
- First working experience in a mechanical/electrical engineering industry, ideally with a focus on high precision instrumentation and/or mechanical parts.
- Know-how of operating sophisticated scientific instruments is a requirement, e.g., acquired experience with scanning probe microscopes, confocal microscopes, etc. is a plus.
- Ability to diagnose complex failure issues and propose effective/fast solutions
- Good written and spoken English skills, other languages are a plus

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- Open to travel up to 25%

We are looking for someone able to work independently, proactive, open-minded, well organized, curious and willing to support the development of our new and existing products.

You will have responsibilities and a direct contribution to the growth of the company and the emergence of a quantum industry 1.0. Your salary will be based on your experience. The role is based in Muttenz, Switzerland.

Qnami was founded in 2017 in Basel, at the cross-roads of Switzerland, Germany and France, and builds on the work of Professor Patrick Maletinsky from the University of Basel. We explore implementation and application of quantum nitrogen-vacancy (NV) color center in diamond for high-performance sensing devices.

Applications from international candidates can only be considered if they hold a valid work permit for Switzerland, or if they are citizens of an EU/EEA country, as per Swiss work authorization regulations.

Please send your application (CV, motivation letter and examples of previous projects in English) to jobs@qnami.ch.